

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/09964

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01R13/62

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H01R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, PAJ, EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 015 061 A (G.M.GIANNINI) 14 May 1991 (1991-05-14) column 4, line 45 - line 65; figure 10	1,3,6, 10,14 4,5
X	US 6 264 473 B1 (A.BULLINGER ET AL) 24 July 2001 (2001-07-24) column 3, line 12 - line 32 column 4, line 11 - line 27; figures 1,6	1,3,6,10
X	US 5 401 175 A (R.GUIMOND ET AL) 28 March 1995 (1995-03-28) column 2, line 46 - line 59; figures 4,5 -/-	1,3,4,6, 10

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

2 December 2003

Date of mailing of the international search report

19/12/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel (+31-70) 340-2040, Tx. 31 551 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Alexatos, G

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/09964

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>DE 199 30 642 A (MAGCODE) 4 January 2001 (2001-01-04) column 3, line 9 - line 47; figure 1 & EP 1 194 983 A. 10 April 2002 (2002-04-10) cited in the application -----</p>	4,5

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/09964

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5015061	A	14-05-1991	US 4844582 A	04-07-1989
US 6264473	B1	24-07-2001	DE 29610996 U1	12-09-1996
			AU 3342597 A	14-01-1998
			DE 59701522 D1	31-05-2000
			WO 9750152 A1	31-12-1997
			EP 0906643 A1	07-04-1999
			ES 2147675 T3	16-09-2000
US 5401175	A	28-03-1995	NONE	
DE 19930642	A	04-01-2001	DE 19930642 A1	04-01-2001
			AT 250287 T	15-10-2003
			AU 5536100 A	22-01-2001
			BR 0012149 A	07-05-2002
			CN 1371537 T	25-09-2002
			DE 50003741 D1	23-10-2003
			WO 0103249 A1	11-01-2001
			EP 1194983 A1	10-04-2002
			JP 2003504815 T	04-02-2003
			US 6561815 B1	13-05-2003